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## Maine Perspective

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Department of Public Affairs, University of Maine; Adrie Nab; John Baer; Melissa Adams; Kathleen Gaede; Marc Kusnitz; David C. Smith; and Scott Wilkerson

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# Maine Perspective

Vol. 3 No. 1

A PUBLICATION FOR THE UNIVERSITY OF MAINE

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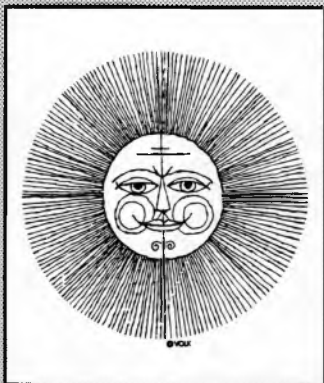
## In Perspective



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## Promoting the Sciences Through Operation Physics

When an elementary high school student draws an airplane in art class, there's no reason why some simple principles of physics can't be taken into account in the depiction.

Such an integration of disciplines stems not only from teacher motivation of students, but also the instructor's firm grasp of physics and the physical sciences.

And that's where Operation Physics comes in.

Operation Physics is a National Science Foundation-supported professional development program featuring workshops for

fourth- to eighth-grade teachers. Initiated nationwide in 1987, its purpose is to enhance upper elementary and middle school teachers' understanding of physics, and to provide these teachers with hands-on activities for effectively teaching students about physics.

The workshops are conducted in each state by a three-member team who represent college, junior high and elementary educators. In 1989, Richard Morrow, UM professor of physics, Lucille Lothrop of South Bristol Elementary School, and

*continued on page 2*

As it was seen coming down the home stretch, a century-old barn on campus last month inched its way from its old, crumbling foundation near the Maine Center for the Arts to its new location behind the Small Animal Facility. According to the Maine Farm and Home Museum Committee, the next step will be preservation measures on the historic structure in an effort to one day make it an agricultural museum. In coming weeks, grading and landscaping at the new site will be done, and preparations will be made to prepare it for the winter months ahead. In the near future, plans for the barn include moving a silo from the Witter Center that will house an elevator for handicapped access to the barn. The barn preservation efforts are expected to take a couple years, followed by setting up displays for the Maine Farm and Home Museum. The Committee continues its fund-raising efforts, soliciting donations from major givers, faculty, students and alumni.

*Photo by John Baer*



# Physics *continued from page 1*

Earl Coombs of Winslow High School, were trained as the team from Maine. They recently presented a weeklong workshop that included a 450-page reference book filled with suggested activities for teachers to participate in to broaden their understanding of the subject. Among the physics topics covered in the Maine summer program: magnets and magnetism, simple machines, behavior of light and measurement.

For the second consecutive year, the workshops have been held in Maine, supported by grants from the Dwight D. Eisenhower Mathematics and Science Act. Last year, 19 Maine teachers took part in the first workshop; this summer 20 teachers from as far away as East Lebanon and Wypitlock, including a handful who had participated last year, were selected for the on-campus program.

"The workshops offer hands-on activities for teachers to help them gain a better understanding of the physical sci-

ences so that they can come up with activities to promote physics and the sciences in their own classrooms," Morrow said. "Many of the teachers are teaching physical sciences, and most have seen many of these activities before and may not have associated them with physics."

"Often a lot of what students are getting is dependent on what pre-service science training the teachers received."

Physics carries such a stigma as a difficult subject to comprehend that the very name of the program - Operation Physics - can strike fear into the most confident elementary or junior high instructor. But not only does the workshop help to overcome the stigma, the teachers often find that they didn't know "physics was this easy," Morrow said. And the benefactors of such discoveries are the students taught by these teachers - youngsters in grades four-eight who need encouragement in the sciences to stem what is often a high rate of attrition in high school mathematics and sciences.

Second-year University of Maine student Tina Greenlaw of Sherman Mills is the recipient of the 1991 Maine State Society of Washington, D.C. Foundation Scholarship.

Greenlaw, an education major, is the first to receive the \$1,000 scholarship, established by the Maine State Society of Washington, D.C. to assist Maine young people in pursuing higher educations. The scholarship recognizes academic achievement and ability for self-expression.

A graduate of Katahdin High School, Greenlaw has been active in extracurricular and community activities, and is the recipient of a number of other honors and awards. She has been a Teen Leadership Conference representative at UM, and as a high school senior, she won the Maine Education Association Writing Award and was a regional award winner in the Voice of Democracy competition. Greenlaw participated in Maine Scholars Days at UM and in Girls State as a junior.

Greenlaw's interest in education stems from her work with children as a cheer-leading coach and dance instructor.

The scholarship is expected to be an annual award by the Maine State Society of Washington, D.C., a non-profit organization based in the nation's capital made up of more than 1,400 people who have ties to Maine, including members of the Maine Congressional Delegation. The purpose of the Society is "to foster and promote interest in the State of Maine, to strengthen the social contacts of its members, and to cultivate a spirit of loyalty and devotion to the State of Maine" in Washington.



"As the University of Maine, we are part of the state and interested in the education of all students," Morrow said. "Being in the sciences, I'd like to see more science majors here. The whole country needs more people who are knowledgeable in the sciences who are better able to appreciate and judge the expenditures for science."



## Maine Perspective

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# ***It's Never Too Late to Make a Run for It***

When Norman Pelkey was a boy and his mother told him to run to the corner store, he always took her literally. And she always sent him because he got there the fastest of all her children.

Today, Pelkey thinks nothing of donning a tank top, neon orange jogging shorts and running shoes to pound the pavement on a three- to five-mile jog. The difference is, Pelkey is a little older now, having lived through almost six decades without regular exercise.

Pelkey will be a young 76 years old Aug. 21.

It's that youthfulness that makes Pelkey run.

"I've often thought of the Boston Marathon but I wouldn't dare to do it," said Pelkey. "So I run every day and it makes me feel better and keeps me young."

At the age of 68, Pelkey took up running to stay in shape following a hernia operation. The doctor recommended plenty of post-operative walking, but Pelkey decided it was time to make a run for it.

"I had never exercised before, just worked," said the UM employee of 17 years who is a custodian in Stodder Dining Commons. (Prior to coming to the University, Pelkey worked in Bangor and Old Town shoe shops, and at Old Town Canoe. At 18, he worked in the CC camps in Greenville for over two years.) "I never had courage enough or thought about it until the operation."

Pelkey used "the telephone pole method" to get started. He would walk along his jogging path on Main Street in Old Town until he reached the first telephone pole. Then he'd run to the second, alternately walking and running between uprights. He worked up to running two poles and walking one, then three poles and finally up to seven at a time.

Today Pelkey runs past all the telephone poles that line his jogging routes for up to five miles a day every day. In the winter he can be seen in the UM Field House running seven or eight miles a day. And while the football and baseball players go zipping by him, Pelkey says that's OK. He's in it for the health of it.

"I have my own pace," he said. "I'm not a fast runner. I run a 10- or 11-minute mile. I used to do better but I guess I'm getting old."

Make no mistake about it. Pelkey can

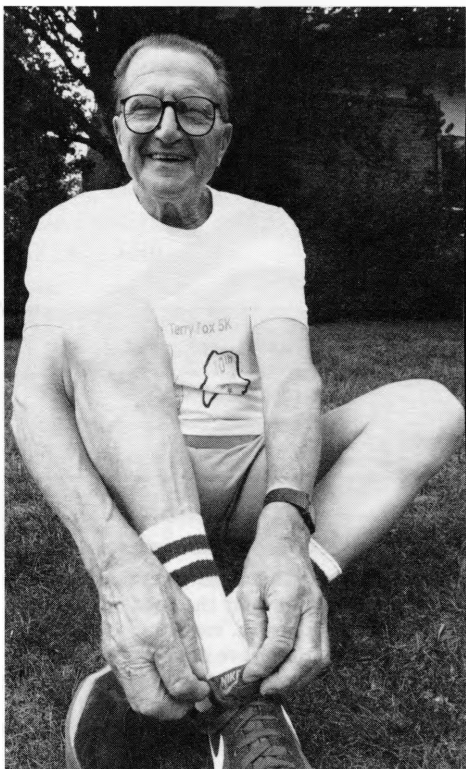
go the distance. He has run 10 miles at a time. And he has run more races than he can count in the past eight years. Take the most recent Fourth of July run from Brewer to Bangor. Pelkey prepared for that 2 1/2-mile run by running three miles through Milford earlier in the morning. He says he never tires of running, but admits that, near the end of a three-mile run, he's "anxious to get there."

He has a scrapbook full of ribbons, most for finishing first in his age category, and trophies that share shelf space with his bowling awards of years ago. Above all, he has many new friends who also run with whom he shares his love of the open road.

"If I stopped running, my blood pressure would go back up," he said. "And besides, I would miss the people I meet when I go running."

Pelkey attributes his success to the fact that he doesn't "drink or smoke." He also has a loyal following, including other running enthusiasts and UM students who talk running with him when they meet in Stodder. His seven grandchildren and four great grandchildren (with one more on the way) are his special admirers, especially since he's one of the few great grandfathers the grandkids can't keep up with.

"Two of the grandchildren saw me running one day and decided they could run much faster than Pepe," Pelkey said with a smile. "So they ran with me one day and only took a few steps. They said I was too fast for them."







## National News Spotlights

### Segal in *Boston Globe*

A July 20 story in the Living/Arts section of the *Boston Globe* highlights the newest exhibit at the Computer Museum on Boston's Waterfront. The \$1 million exhibit, "People and Computers," presents the groundbreaking machines of the computer era, from the Great Depression to the current recession. According to Segal, who was quoted in the article, "It brings a social and historic perspective that has been missing from the museum and from most exhibitions of computers." Segal is a member of an academic panel that helped define the exhibit's themes and content.

### UM in *Chicago Tribune*

The University of Maine's leadership role in establishing the first American liberal arts college in Eastern Europe is headline material in the Nation/World section of the *Chicago Tribune* May 26. The emphasis is on UM's involvement in the project and the enthusiasm it is generating through Eastern Europe.

### UM Researchers in *USA Today*

The University of Maine is spotlighted in three articles in a special science edition of *USA Today* in June, a monthly magazine of 243,000 circulation published by the Society for the Advancement of Education. Feature articles focus on: soil scientist Ivan Fernandez and his work on the effect of acid rain on North America's commercial forests; George Criner, associate professor of agricultural and resource economics, and his use of anaerobic digestion to create electricity and fertilizer from food scraps and manure; and research on the different nutritional value of fruits and vegetables bought at roadside stands and supermarkets, based on research conducted by food scientist Rod Bushway and other UM researchers.

### UM in *Detroit Free Press*

The University of Maine is highlighted in a sidebar to a June 11 feature on the building of concrete canoes at Michigan State University. The story examines the theory and hands-on work behind the

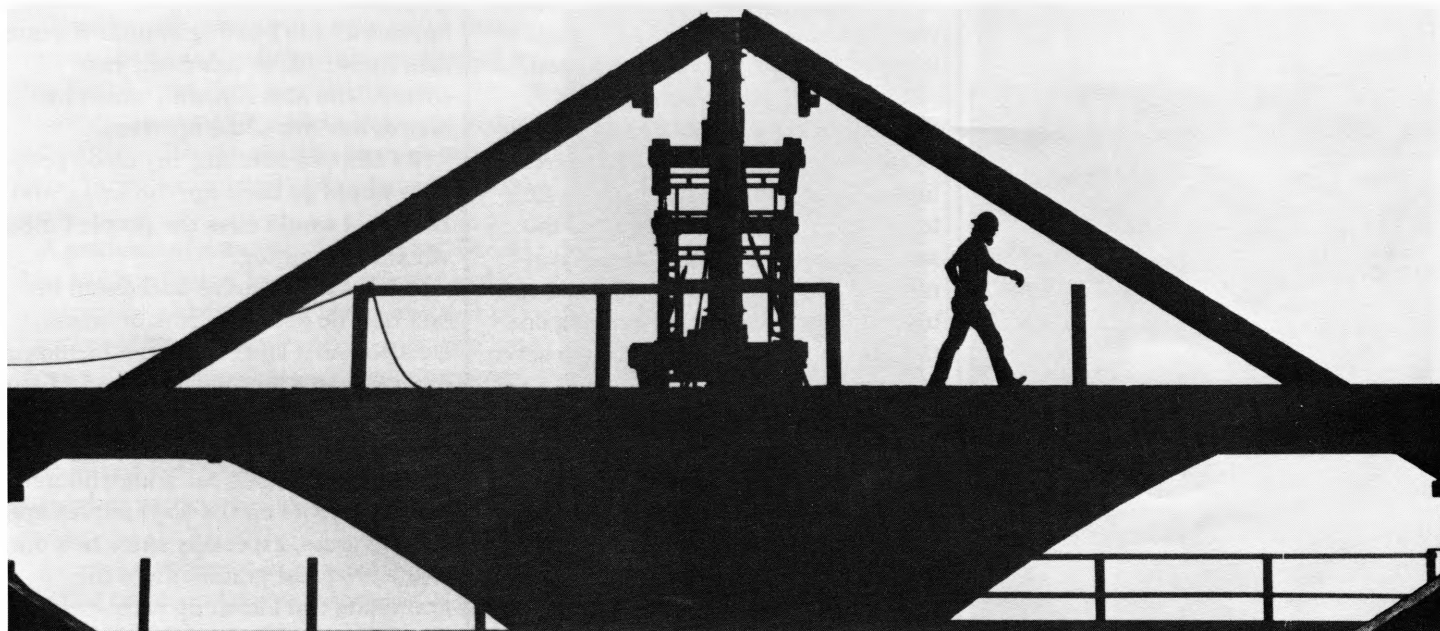
national concrete canoe races, and the competition among university civil engineering students to come up with the best substance and construction. UM is cited as being among the first builders of a concrete canoe, along with Purdue and the University of Illinois.

### Museum of Art in *USA Today*

The University of Maine Museum of Art's satellite gallery program was noted in the state section of this 1.3 million readership national daily July 9. The item mentions UMMA galleries in Freeport, Orono, Bangor, Bath and Houlton.

### Martindale in *New Yorker*

UM psychologist Colin Martindale's book, *The Clockwork Muse*, merits an extensive review in this prestigious magazine with a readership of 640,000. Reviewer Brad Leithauser describes Martindale's critical study as a book "guaranteed, at the very least, to stir lively rethinking about the essence and the evolution of art."



Construction is on schedule in the \$3.9 million expansion project at Alfond Arena. Structural expansion with existing seating capacity is set for completion Nov. 1, with approximately 1,800 additional seats to be added later. Expansion requires that the roof be raised and two walls extended to make room for additional seating. Black Bear SuperBoxes, increased concession areas, restrooms, locker rooms, improved media facilities, and a new ticket office and athletic store. Black Bear hockey teams, which have sold out 103 consecutive regular-season games since 1986, will now play before a seating capacity of approximately 5,400. Seating for basketball games will be in excess of 6,000. Harold Alfond, the primary benefactor of the Arena which bears his name, is the driving force behind the \$3.9 million expansion project. Alfond's \$2 million donation is the largest one-time cash gift ever bestowed on the University of Maine (non-posthumously). Alfond has donated more than \$4 million to the Orono campus since 1968. Photo by John Baer

# UM Calendar

August 19-September 2

All events are free and open to the public unless otherwise specified. Any speaker not otherwise identified is a member of the University of Maine faculty, staff or student body. Send notices of upcoming campus events to:

Maine Perspective Calendar  
Public Affairs.

Calendar of events listings MUST be typewritten and should be sent AT LEAST TWO WEEKS in advance.

**Deadline for each  
issue: 9 a.m. Friday**

For more information, call x3745.

## LAST-MINUTE NOTES:

**"Quality Fresh Fish for New England: A Transactions Cost Analysis,"** an oral exam by Stephen Davis, candidate for master's degree in agricultural and resource economics, 9 a.m., Aug. 16, 202 Winslow Hall.

**"La gravure en taille-douce dans la manufacture de l'Encyclopédie de Diderot et comme sujet de lecture d'articles et de planches,"** an oral exam by Emily Wentworth, candidate for MA in French, 2 p.m., Aug. 16, 207 Little Hall.

## 19 Monday

**"The Influence of the High Middle Scots Makars on Early English Renaissance Lyric Poetic Ipseity,"** an oral exam by Maury McCrillis III, candidate for master's degree in English, 10 a.m., Aug. 19, 402 Neville Hall.

## 21 Wednesday

**"Analysis of the Effect of Panel Density Variation on the Compressive Shear Strength of Oriented Flake-board,"** an oral exam by Yanruo Han, candidate for master's degree in forestry, 1 p.m., Aug. 21, 255 Nutting Hall.

## 22 Thursday

**"An Evaluation of Physical and Mechanical Wood Properties for European Larch and Tamarack,"** an oral exam by Xiping Zhu, candidate for master's degree in forest resources, 9 a.m., Aug. 22, 255 Nutting Hall.

## 27 Tuesday

**"Changes in Vegetation of the Heath, Saco, Maine, U.S.A. Since European Settlement of the Region,"** an oral exam by Timothy Kluge, candidate for master's degree in botany, 10 a.m., Aug. 27, 301 Deering Hall, with defense to follow in 118 Deering Hall.

## 28 Wednesday

**"A Liquid Guided Acoustic Wave Immunosensor,"** an oral exam by Mark Lade, candidate for master's degree in electrical engineering, 10 a.m., Aug. 28, Sawyer Environmental Research Center.

Don't Wait!  
Send in your  
fall schedules of  
campus activities  
and events.

**"A Study of the Selectivity of a SAW H<sub>2</sub>S Gas Microsensor,"** an oral exam by Dean Smith, candidate for master's degree in electrical engineering, 11 a.m., Aug. 28, Sawyer Environmental Research Center.

## 29 Thursday

**"Protoplast Regeneration and In Vitro Selection of Potentially Useful Clones of Potatoes, *Solanum tuberosum* L.,"** an oral exam by Yu Lan, candidate for Ph.D. in plant science, 9 a.m., Aug. 29, 118 Deering Hall.

## 30 Friday

**Oral Exam** by Christine Hughes, candidate for Spanish MAT, 10 a.m., Aug. 30, 207 Little Hall.

## 31 Saturday

**New Students Move Into Residence Halls,** Aug. 31.

## 2 Monday

**Returning Students Move Into Residence Halls,** Sept. 2.

## ONGOING EVENTS:

**Newman Center/Our Lady of Wisdom Parish Weekly Liturgy Schedule:** Monday-Thursday, 4:45 p.m.; Sunday 9:30 a.m. 866-2155.

**UM Chess Club Meeting,** every Thursday, 7 p.m., FFA Room, Union, tournaments, discussions, skittles and games. x3522 or 866-4589.



## Along the Mall

**Steven Cohn**, prof. of sociology, **Kathryn Gaianguest**, assoc. prof. of sociology, **Saundra Gardner**, assist. prof. of sociology, and **Diane Roy**, undergrad. sociology student, attended the annual meetings of the Eastern Sociological Society, Providence, April 12-14. Gardner was presider and discussant on the Women and Work Panel. Roy presented a paper: "The Relationship Between Income and Health," at the Undergraduate Conference.

**Howard Segal**, assoc. prof. of history, presented a lecture: "American Technology and American Modernism," at Bowdoin College during "Changing Visions: Early Twentieth-Century Modernism in American Art and Culture," a residential institute for Maine teachers, July 5.

**Don Stratton**, prof. of music, attended a meeting of the Jazz Advisory Committee of the New England Foundation for the Arts at the Foundation's headquarters, Cambridge, Mass., July 29. In the evening, Stratton was the featured guest soloist with the Mark Greel Band in an outdoor concert in Natick, Mass.

**Diana Hulse-Killackey**, assoc. prof. of education, attended the Governing Council Meeting of the American Assn. for Counseling and Development, Alexandria, Va., July 11-14, as the Assn. for Specialists in Group Work representative.

**Malcolm Hunter**, prof. of wildlife, presented a paper: "Natural Disturbance Patterns as a Model for Harvesting in Boreal Forests," at the World Congress of Landscape Ecology, Ottawa, July 24.

**Peter Csavinszky**, prof. of physics, presented a paper at the Mathematics/Chemistry/Computation - 1991 meeting, June 24-28, Dubrovnik, Croatia, Yugoslavia. He has also visited the University of Zagreb. Further planned activities there were terminated by the advisability of leaving the country.

During June, AIMS College of Greeley, Colo., asked **Scott Anchors**, dir. of Residential Life, to present a two-day workshop: "Using the Myers-Briggs Type Indicator in Higher Education."

In July, at the Assn. for Psychological Type, Richmond, Va., **Scott Anchors**, dir. of Residential Life, read a paper at a Symposia on Personality Type and Addictions: "Patterns of Substance Abuse in Traditional Age College Students." The paper is authored by Anchors and **Robert Dana**, coordinator of Substance Abuse Services.

**William Baker**, prof. of history, presented: "Muscular Marxism and the Chicago Counter-Olympics of 1932," at the North American Society of Sports History conference, May 25, at Loyola University, Chicago. July 1, Baker travelled to London for on-camera interviews for a 90-minute program on sport and art that will be shown on the BBC in spring 1992.

**Floyd Newby**, program leader for parks, recreation and tourism, delivered a paper: "The Sleeping Giant Awakens: Forest Parks for Tourism in China," at the World Congress of the World Leisure and Recreation Assn., Sydney, Australia, July 16.

**Malcolm Hunter**, prof. of wildlife, presented a paper: "Towards a Conceptual Definition of Old-Growth Forest" at the Society of Conservation Biology Conference, Madison, Wis., June 21.

The International Symposium on the Biology and Management of Martens and Fishers was held May 29-June 1 in Laramie, Wyo. Personnel from the UM Dept. of Wildlife attended. **Daniel Harrison**, prof., **Thomas Hodgman**, research assoc., and **Donald Katnik**, grad. student, presented two papers: "Survival in a Heavily Harvested Marten Population, A Preliminary Assessment" and "Movements and Spatial Relationships of Pine Martens in Maine." **Thomas Paragi**, former grad. student, **William Krohn**, prof. and leader, Maine Cooperative Fish and

Wildlife Research Unit, and **Stephen Arthur**, former grad. student, presented a paper: "Estimates of Fisher Recruitment and Survival and Their Management Implications." Krohn, Arthur, and Paragi presented a paper: "Mortality and Vulnerability of a Heavily Trapped Fisher Population." Harrison chaired the session: "Habitat Management of Martens and Fishers," and **William Giuliano**, grad. student, presented a poster: "A Preliminary Assessment of Spatial-temporal Relationships in an Unexploited Pine Marten Population." **Herbert Frost**, grad. student, also attended the conference.

**Mary Casserly**, Collection Department Division head, Fogler Library, delivered a paper: "Vendor Interfaces for Serials and Book Acquisitions," at the American Library Assn. Annual Conference in Atlanta June 30.

**Don Stratton**, prof. of music, visited St. Petersburg, Russia, June 19-July 3. During his stay he signed an exchange agreement between UM and the Musorgsky Music School of Leningrad for music students and professors for a five-year period. In addition, Stratton received invitations for original compositions to be composed for the Andreyev Balalaika Orchestra and, in another mode, a 12-voice a capella men's choir. He also performed at the Leningrad Jazz Club with David Goloshokin and the Leningrad Jazz Band June 27, June 29 and June 30. While there, he was informed that his piano - four hands arrangement of the Overture to Candide - L. Bernstein had been performed at the Leningrad Rimsky-Korsakov Conservatory this past winter.

**Yvon Labbé**, dir. of the Franco American Centre, presented a lecture: "Franco American Culture and Maine Public Education," at the University of Maine at Fort Kent, June 18, to teachers of the region enrolled in a credit course on Franco Americans and education, sponsored by the Maine Department of Education.





## Along the Mall

**Merrill Elias**, prof. of psychology, was a faculty member at the Summer Research Institute in Research on Aging, sponsored by the Bookdale Foundation and the National Institute on Aging, July 6-13.

**David Batuski**, assist. prof. of physics and astronomy, was a visiting astronomer at the Observatory of the University of Paris during June and July, working on research concerning large-scale structure in the universe. While in Paris, Batuski also attended the seventh annual Institut d'Astrophysique meeting on astrophysical jets and presented a paper: "Very Large Array Observations of Head-Tail Radio Sources in Poor Clusters of Galaxies," co-authored with Robert Hanisch of the Space Telescope Science Institute, and Jack Burns, New Mexico State University.

**Ed Hartford**, grad. assist. in physics, presented a paper: "Spin-Glass Phase Diagrams from Renormalization-Group Calculations of Quenched Random Ising Systems with Competing Interactions," co-authored by **Susan McKay**, assist. prof. of physics, at the 5th Joint Magnetism and Magnetic Materials - Inter-mag Conference, Pittsburgh, June 18-21.

**L.M. Mayer**, P. Jumars and C. Plante, both of the University of Washington, gave a presentation: "Nutritional Quality of Sediments Based on Kinetics of Nutrient Release," at the American Society of Limnology and Oceanography meeting, Halifax, June 10-14.

UM Cooperative Extension faculty presented a workshop: "Personal & Community Empowerment Through Rural Leadership Development," at the 1991 Innovative Rural Communities Conference, Charlottetown, Prince Edward Island, July 26. Presenting were **Douglas Babbirk**, Portland; **Deb Burwell** and **Jim Killacky**, Orono, and **Nick Greer**, Machias.

**Terry Haines**, prof., and former grad. student **Charles Jagoe**, zoology, presented invited seminars at the Institute for Research and Management of Northern Fishes, Petrozavodsk, Karelia, U.S.S.R., June 25. Haines's seminar: "Lake Acidification and Fish Mercury Content in Darwin National Reserve and Karelia, USSR,"; Jagoe's seminar: "Morphological Effects of Low pH on Gills of Perch (*Perca flaviatilis*)." They also participated in a research expedition in Karelia with Soviet scientists, June 1-24.

**Stephen Whittington**, dir. of the Hudson Museum, was elected to a two-year term as regional representative for the northern and eastern regions of the state at the annual meeting of the Maine Assn. of Museums.

**Yvon Labbé**, dir. of the Franco American Centre, presented a talk on the current formal and informal links - economic, educational, cultural - being developed between Maine and Quebec at La Kermesse Franco Américaine in Biddeford June 22. An aspect of the talk focussed on the University of Maine's links with the emerging cross-border Assn. Chau-Bec, comprised of representatives of the chambers of commerce, tourism agencies and educational institutions from the Kennebec River Valley and la Vallée de la Rivière Chaudière in Beauce, Quebec. Educational exchanges involving UM staff are currently taking place. The 1991 UM French Language May Term, which occurred in Beauce, was made possible through l'Association Chau-Bec and ActFANE (Action for Franco Americans in the North East), of which the Franco American Centre is a charter member.



Memories of people and places brought more than 150 folks together last month for the opening reception of "Acadian Hard Times," a photo exhibition at the University of Maine Museum of Art. The photos were by Farm Security Administration photographers Jack Delano and John Collier Jr., taken in the St. John Valley between 1940-43, and University of Maine Chief Photographer Jack Walas, who retraced the steps of the FSA photographers during the last two years of his life. The photos illustrate a book by UM Professor of History C. Stewart Doty, Acadian Hard Times: The Farm Security Administration in Maine's St. John Valley, 1940-1943, published last spring by the University of Maine Press. The exhibition and supporting lecture series, made possible by a grant from the Maine Humanities Council, brought together many of the adults from throughout New England who were photographed as children by the FSA photographers - a few of whom Doty was unable to contact until then. Among those attending the reception were three generations - seven of 10 surviving members - of the Gagnon family, a family photographed extensively by FSA photographers and by Jack Walas. Pictured at left: Diane Walas, wife of Jack Walas, discusses the impact of the book, Acadian Hard Times, with its author, Doty.

Photo by John Baer



## Campus Notes

### **Staff Change in Transitions: A Displaced Homemakers Program, Bangor Campus:**

Ilze Petersons, regional manager of Transitions, will be on an educational leave of absence through Aug. 1, 1992. She will spend the year at St. John's University, Collegeville, Minn., and plans to research women's programs in the St. Cloud and Minneapolis areas. Jane Searles will be the interim regional manager during this time. Searles has been employment and training specialist with the Bangor regional center for the past six years. Susan Hoovler will become full-time resource coordinator at the center. Susan has worked with the Program for the past four years as a Work Study student and intern in the Counselor Education Program. For information on fall programs, call x6132.

**Summer hours at the Parking Coordinator's Office** are 7:30 a.m.-3:30 p.m. through Aug. 31. Temporary parking permits are always available from the Public Safety dispatcher. Parking rules regarding parking lot decal designation are in effect throughout the summer.

**UM Employee Assistance Program** is a free, confidential assessment and referral service for faculty, staff and their immediate families seeking solutions to persistent personal problems. Summer coverage (through Sept. 1) is being provided by the UM Counseling Center. For an appointment, contact the Counseling Center, x1392, identify yourself as an employee or an immediate family member of an employee, and state you are seeking EAP services. As always, EAP consultations are strictly confidential.

**Counseling Center Summer Groups** - General Therapy Group: Leaders Kai Kirby and Gerard Saucier; General Therapy for Returning Adult and Graduate Students: Leaders Paula Bickham and Ken Dugan; Incest Survivors Group: Leaders Liane Hamrick and April Colburn; Communication Skills Enhancement: Leaders Ken Dugan and Gerard Saucier; Expressive Therapy Group: Leaders Paula Bickham and Kai Kirby. For more information, call x1392

**Adjunct Instructors and Seminar Leaders (Part time).** UM is recruiting experienced instructors and seminar leaders to present Professional Training and Development programs through the Conferences and Institutes Division. Successful applicants may teach in one or more of the following University of Maine certificate programs: Management, Leadership, Human Resource Management, Supervision, Credit and Collection Management, Personal Computer Applications, Marketing, Finance and Accounting, Office Administration. Successful candidates may also present public seminars and/or private in-house training through the University of Maine Management Programs. Attorneys are needed to teach programs in Business Law and LawPrep Summer Institute. Send letter of application, resume, names of three references, salary requirements and any other supporting material to: Search Committee, Conferences and Institutes Division, 212 Chadbourne Hall. Call 581-4092 and indicate what topics you would be ready to present starting in January.

**Memorial Union Summer Session Hours through Aug. 31:** Building: Monday-Sunday, 7 a.m.-9 p.m.; Offices: Monday-Friday, 8 a.m.-4:30 p.m.; Game-room: Monday-Friday, 9 a.m.-4 p.m.; Newscounter: Monday-Friday, 7:30 a.m.-4 p.m.; Bookstore: Monday-Friday, 8 a.m.-4:30 p.m.; Damn Yankee - Monday-Friday, 7 a.m.-2:30 p.m.; Maine Bound: Monday/Wednesday/Friday, 9 a.m.-3 p.m.; Credit Union: Monday - 9 a.m.-4 p.m., Friday - 9 a.m.-5 p.m.

**Residential Life Rates for 1991-92:** A variety of on-campus residence and dining options are available for students. Combined room and board packages range in cost from \$2,168 (York Village Apartments with no meal plan) to \$4,241 (double room with 19-meal plan) per year depending on student interest in Break housing, meal plan flexibility, location and other factors. These rates include local area phone service and University educational and entertainment Cable Television, both of which will

be available in spring 1992. For information, contact Residential Life, x4584.

### **Dining Commons Summer Schedule:**

Stewart Commons open to the public Aug. 17-Aug. 30: Monday-Friday - Breakfast, 7-9:30 a.m.; Lunch, 11 a.m.-1:30 p.m.; Dinner, 4:30-7 p.m. Saturday-Sunday - Brunch, 10:30 a.m.-1:30 p.m.; Dinner, 4-6:30 p.m.

**Surplus Sale:** The University of Maine offers for sale on an as-is, where-is basis the following: (24) WOODEN CABINETS. (library card catalogs), mahogany and maple, 72 drawers 5" x 3", 14" deep, can hold tools, cassette tapes, etc., **BEST OFFER**; (1) IBM CORRECTING SELECTRIC II TYPEWRITER. \$75; (1) OKIDATA LASER PRINTER. Laserline 6, needs work, has new drum, good for parts or fix up, \$50; (1) COMPUTER TABLE. w/shelf for monitor and shelf for keyboard, \$80; (1) COMPUTER PAPER CATCH BASKET. **FREE**; (2) SECRETARIAL CHAIRS. no arms, \$10 each; (1) BOX COMPUTER LABELS. 3 across, **FREE**; (1) 3M 583 SENSITRON COPIER. enlarges and reduces, \$300; (1) INTEL 386 MEMORY BOARD & MATH 8387 COPROCESSOR. new, never used, \$700; (1) IBM PS2 MDL 30 COMPUTER. mono monitor, extended keyboard, \$1000; (1) MACINTOSH SE COMPUTER. dual drives, 20 MB hard drive, \$950; (1) TOPS LOCAL AREA NETWORK. for MAC and DOS PC's, new \$175; (4) EIKI 16MM RTO PROJECTORS. \$250 each; (4) SONY BETAMAX VCRS. SLO 323 & SLO 320, \$175 each; (1) ZENITH ZF-171 COMPUTER. mono screen, floppy drive, \$350; (1) COUNTER. L-shaped 40"H x 85"L and 47"L x 14.5"D, w/ 6 adjustable shelves, \$50; (1) IBM MAG CARD COMPOSER. 30-6212, \$200; (1) CPT 8525 WORD PROCESSOR. \$200; (1) A.B.DICK MIMEOGRAPH. 2 years old, \$175; (1) DECMATE 1 WORDPROCESSOR. monitor, keyboard and 2 drives, takes 8" disks, \$100. (1) STABILIZATION PROCESSOR. Spiratone Printall LS-200, \$50; (2) ACOUSTICAL PRINTER HOODS. \$35 each. Off-campus inquiries are welcome. Items usually sell for the prices specified, however, lower offers are sometimes considered. For further information, call Ron Logan, x2692.



## Positions

*Advertisements for job openings to appear in Maine Perspective must be submitted to the Office of Equal Opportunity, 318 Alumni Hall, no later than noon Wednesday. Guidelines for filling professional positions, including forms for posting positions in Maine Perspective, are available by contacting the office of Equal Opportunity, x1226. A Request to Fill Form must be approved before posting in Maine Perspective (if not already approved).*

**Staff Associate/Conference Coordinator, Conferences & Institutes Division.** Full-time regular position, dependent on external funding. Qualifications: Bachelor's degree. Excellent organizational abilities, good basic computer knowledge, excellent communication and decision making skills. Experience in conference services, marketing and network management is desirable. Salary Range: \$22,000-\$25,000. Review of applications will begin Aug. 28. Start Date: Oct. 15. For further information and to apply, send letter, resume and names of three references to: Search Committee, Conferences & Institutes Division, 210 Chadbourne Hall.

**Assistant Director of Telecommunications, Department of Telecommunications.** Full-time regular, fiscal-year professional position. Qualifications: Bachelor's degree in management/technical field and minimum of three years management and PC experience. Salary Range: \$28,000-\$33,000. Deadline for applications: Sept. 10. Start Date: As soon as possible. For further information and to apply, send letter of application, resume and three references to: Gary Corbett, Director of Telecommunication, Neville Hall.

**Maine Educational Talent Search Program, College of Education Positions:**

**Talent Search Counselor.** Full-time regular position, dependent on funding. Qualifications: Bachelor's degree (master's preferred) in counseling, education, or related area. Salary Range: \$16,409-\$18,214. Deadline for applications: Aug. 23. Start Date: Sept. 15.

**Talent Search Academic Specialist.** Part-time regular position, dependent on

funding. Funds secure through June 1992; continued funding is expected. Qualifications: Bachelor's degree with teacher certification appropriate to the grade levels served by the program. Salary Range: \$7,500-\$8,500 for standard work year (Sept. 1-May 31). Deadline for applications: Aug. 30. Start Date: Oct. 1.

Additional qualifications for both positions: A minimum of one year of employed experience working with people from disadvantaged backgrounds in public schools or in a setting similar to Maine Educational Talent Search. Ability to interact and work successfully with target population, schools and community agencies. Strong self-motivation and the ability to work independently.

For further information and to apply, send resume, letter of application, and the names and phone numbers of three references to: David Megquier, Director, Maine Educational Talent Search, 100 Winslow Hall.

**Systems Programmer, Computing Center.** One-year fixed-term, full-time regular position. Qualifications: Bachelor's degree in computer science or related field and a minimum of two years programming experience. Knowledge of an assembler language IBM-370 and knowledge of C language. A solid working knowledge of VM/CMS and the UNIX operating systems required. Salary Range: \$24,000-\$26,000. Review of applications will begin Aug. 23. For further information and to apply, send application and references to: Systems Programmer Search, University of Maine System, Office of Human Resources, 107 Maine Ave., Bangor, ME 04401.

**President, University of Maine.**

Responsibilities: The President is the chief academic officer of the institution, responsible for all aspects of its operation. The President reports directly to the Chancellor of the University System and serves on the Presidents Council. Qualifications: Qualifications include a proven record of academic leadership and successful administrative experience, an established record of continuing scholarship and a commitment to educational

excellence, an understanding of the objectives of a land grant research institution, an ability to work effectively with many different constituencies, and an appreciation of the role public higher education must play in a global society. Review of candidates will begin in mid-October 1991. For further information and to apply, contact: Dr. George Wood III, Chair, Presidential Search Committee, and member, Board of Trustees, University of Maine System, 107 Maine Ave., Bangor, ME 04401.

**Associate Professor or Professor of Sustainable Agriculture Policy, Department of Agricultural & Resource Economics, Maine Agricultural Experiment Station/College of Applied Sciences & Agriculture.**

Tenure-track, academic-year position. Qualifications: Ph.D. in agricultural economics or related disciplines; 10 years or more ag policy development and implementation experience in state and/or federal government; demonstrated interest in sustainable agriculture; willingness to work in interdisciplinary research teams with biological and social scientists; experience working with farmers and farm groups on policy development and implementation. Review of applications will begin Aug. 23. Start Date: Sept. 1. For further information and to apply, submit letter of application, vita, and the names of three references to: Search Committee, Office of Assistant Vice President and Director of Maine Agricultural Experiment Station, Winslow Hall.

**Assistant to the Vice President for University Development, Office of University Development.** Half-time, fixed-length position. Qualifications:

Bachelor's degree preferred or equivalent experience. Salary: \$10,416.67 for 10 months, half-time. Deadline for applications: Aug. 23. Start Date: Sept. 9. For further information and to apply, send resumes, references, and a cover letter to: Robert Holmes Jr., Vice President for University Development, 207 Crossland Hall.

*continued on page 10*



## Positions

**Director of the Women's Resource Center, (reporting to) Vice President for Research and Public Service and Interim Vice President for Academic Affairs.** Half-time, fiscal-year, professional position. Qualifications: Master's degree preferred. Experience in program development and administration or closely related experience in settings providing service and programs for women required. An understanding of the University as an organization and competence with managing an office staff and budget necessary. Excellent interpersonal skills, collaborative leadership style and an ability to work with a wide variety of internal and external constituencies expected. Previous work with students, faculty and staff, and familiarity with women's issues, concerns, experiences and women's studies scholarship desirable. Salary Range: \$12,500-\$15,000. Review of applications will begin Aug. 26. Start Date: Mid-September. For further information and to apply, send resume or vita and three references to: Pamela Dumas Serfes, Women's Resource Center Transition Team Chair, 223 Chadbourne Hall.

*The University of Maine does not discriminate on the basis of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability or veteran status, and promotes affirmative action for women, minorities, persons with disabilities and veterans. Unless otherwise specified, the jobs are full-time, and the address for application information is: The contact person listed, department, University of Maine, Orono, Maine 04469. The listings above are greatly abbreviated. In order to assess your background relative to the job and to submit the most effective application, contact the hiring department for more complete information.*

**Along the Mall, Publications and Campus Notes**  
**Deadline: 9 a.m. Monday**

## UNIVERSITY OF MAINE

### ANNOUNCING

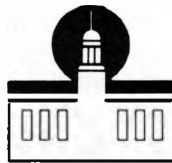
## The University of Maine Fall Continuing Education Schedule

*"Cauliflower  
is nothing but  
cabbage  
with a college  
education."*

—Mark Twain



**For a Copy, call  
the Continuing Education Division  
at 581-3142**



**CONTINUING EDUCATION**  
CONFERENCES AND INSTITUTES,  
SPECIAL PROGRAMS

*Lifelong Learning, Career Development,  
Personal Enrichment*



## Directory Changes

	<b>Office of Business and Finance</b> , 118 Alumni Hall	x4584	<b>Jennifer Thibodeau</b> , administrative associate
	<b>Counseling Center</b> , 125 Cutler Health Center	x4584	<b>Karon Salch</b> , administrative assistant II
x3142	<b>Ruth Munson</b> , 122 Chadbourne Hall	x4706	<b>Jon Lewis</b> , director of Dining Services
x2456	<b>Maxine Harrow</b> , coordinator of Educational Field Experiences, 140 Shibbes Hall	x4706	<b>Donna Rog</b> , dining service buyer
x2106	<b>John Alexander</b> , 341 Boardman Hall	x4706	<b>Virginia Caron</b> , administrative assistant I
x2170	<b>Chet Rock</b> , Chair, Department of Civil Engineering, 103 Boardman Hall	x4706	<b>Donna Brown</b> , accounting supervisor
x3161	<b>Joan Bouchard</b> , 200 Winslow Hall	x4706	<b>Angel Hildreth</b> , bookkeeper
	<b>Residential Life Central Administration and Computer Support Services</b> , 103 Hilltop Commons.	x4564	<b>Barbara Uttormark</b> , data processing coordinator
	THE FOLLOWING PERSONNEL ARE LOCATED HERE:	x4564	<b>Michael Morin</b> , microcomputer specialist
x4584	<b>Scott Anchors</b> , director of Residential Life	x4564	<b>Ed Hopper</b> , microcomputer specialist
x4584	<b>Ray Moreau</b> , assistant director for Residential Life	x4564	<b>Emily Johnston</b> , programmer
		x4564	<b>Benny Veenhof</b> , programmer
		x4564	<b>Debbie Seymour</b> , data processing supervisor
		x4564	<b>Carrie Nadeau</b> , records technician I



## Publications

**Jim Killackey**, community development specialist in Cooperative Extension, and **Diana Hulse-Killackey**, assoc. prof. of education: "Doctoral Gatherings: Evenings in Maine," Guidepost (June 20, 1991). Published by the American Assn. for Counseling and Development.

J. Michael Reed, University of Nevada, Reno, **Bradley Blackwell**, grad. student in wildlife, and Ted Emigh, North Carolina State University: "Simple Method for Calculating Confidence Limits Around Inbreeding Rate and Effective Population Size Estimates from Pedigrees," Zoo Biology. Vol. 10 (1991) pp. 219-224.

**Scott Anchors**, dir. of Residential Life, and **Robert Dana**, coordinator of Substance Abuse Services, had accepted for publication in the Journal of College and University Student Housing, the manuscript: "Patterns of Substance Abuse in First Year Residence Hall College Students."

**Christina Baker**, assoc. prof. of English, and **William Baker**, prof. of history: "Shaking All the Corners of the Sky: The Global Response to the Gastonia Strike of 1929," Canadian Review of American Studies. 21 (Winter 1990) pp. 321-332.

**Stefan Tsonchev**, and **P.L. Goodfriend**: "Convenient Approach to the Quantum Mechanics of Quantum-Well Devices," Phys. Rev. B 44 (1991) p. 1329.

**Steven Cohn**, prof., sociology, **Steven Barkan**, assoc. prof., sociology, and **William Halteman**, assoc. prof., mathematics: "Punitive Attitudes Toward Criminals: Racial Consensus or Racial Conflict?" Social Problems. 38, 2 (May 1991) pp. 287-296.

**Sharri Venno**, former grad. student in wildlife, and **Maine Cooperative Fish and Wildlife Research Unit**: "Integrating Wildlife Habitat into Local Planning: A Handbook for Maine Communities," Maine Agricultural Experiment Station. Miscellaneous Publication 712 (1991) p. 54.

**Stephen Arthur**, former grad. student in wildlife, and **William Krohn**, prof. of wildlife and leader, Maine Cooperative Fish and Wildlife Research Unit: "Activity Patterns, Movements, and Reproductive Ecology of Fishers in Southcentral Maine," Journal of Mammalogy. Vol. 72, No. 2 (1991) pp. 379-385.

**Pralad Yonzon**, former grad. student in wildlife, and **Malcolm Hunter**, prof. of wildlife: "Conservation of the Red Panda *Ailurus fulgens*," Biological Conservation. Vol. 57 (1991) pp. 1-11.

**John Diamond**, assist. prof. of journalism and mass communication: "Maine Stations Feast on New Hampshire Trial," Washington Journalism Review (June 1991) pp. 15-16.

**Deirdre Mageean**, assist. prof., Dept. of Public Administration, and research associate, Margaret Chase Smith Center for Public Policy: "From Irish Countryside to American City: The Settlement and Mobility of Ulster Migrants in Philadelphia," Migrants, Emigrants and Immigrants - A Social History of Migration. eds: Colin Pooley and Ian Whyte, Routledge, London & New York (June 1991).

**Richard Jagels**, prof. of forest biology: "Biophysical Aspects of Fog Deposition on the Needles of Three Conifers," Journal of Experimental Botany. 42 (1991) pp. 757-763.

**Christopher Murdoch**, dir., Office of Professional Development, assist. prof. of forest resources, and **Dolores Stone**, **Linda Hawkins**, **Brian Curtin**, College of Forest Resources and the Maine Sci-

ence and Technology Commission: Directory of Secondary Forest Products Industries in Maine (1991) p. 136.

**M.L. Wells**, former grad. student, **Lawrence Mayer**, prof. of oceanography, and R.R.L. Guillard, Bigelow Lab: "A Chemical Method for Estimating the Availability of Iron to Phytoplankton in Seawater," Marine Chemistry. 33 (1991) pp. 23-40, Elsevier Science Publishers B.V., Amsterdam.

**Maxim Poliashenko**, grad. assist. in physics, **Susan McKay**, assist. prof. of physics, and **Charles Smith**, chair, Dept. of Physics and Astronomy: "Hysteresis of Synchronous-asynchronous Regimes in a System of Two Coupled Oscillators," Physical Review A. 43 (1991) pp. 5638-5641.

**M.L. Wells**, former grad. student, and **Lawrence Mayer**, prof. of oceanography: "Variations in Chemical Lability of Iron in Estuarine, Coastal and Shelf Waters and Its Implication for Phytoplankton," Marine Chemistry. 32 (1991) pp. 195-210, Elsevier Science Publishers B.V., Amsterdam.

**David Batuski**, assist. prof. of physics and astronomy, with Jack Burns of New Mexico State University, Michael Newberry and John Hill of the University of Arizona, Hans Deeg and Bryan Laubscher of the University of New Mexico, and Richard Elston of the National Optical Astronomy Observatories: "Galaxy and Cluster Redshift Observations of the Sextans-Leo Region," The Astronomical Journal. Vol. 101 (June 1991) pp. 1983-1996.

Northeast Archives of Folklore and Oral History at the University of Maine will publish its acclaimed photography and oral history exhibit that documents the closing of Penobscot Poultry, Maine's last broiler processor and the economic mainstay of Waldo County for 40 years. More than 50 black and white photographs with corresponding text taken from hours of recorded interviews will illustrate every facet of Maine's once-thriving poultry processing industry, as well as the impact on the community when a traditional industry vanishes. The book, funded in part by a \$5,000 Maine Humanities Council grant, will be co-edited by documentary photographer Cedric Chatterley and writer Alicia Rouverol. It will be based on the work of scholars who contributed to the first project, including historians Paula Petrik and Richard Judd.





## Sponsored Programs

**National Endowment for the Arts** makes matching Artist/Designer Collaboration Grants. Applications are invited for the planning and/or implementation of exemplary public projects that involve a collaboration between visual artists and architects, landscape architects, and other design professionals. Deadline: Oct. 15.

**National Institute on Disability and Rehabilitation Research** invites applications for field-initiated research and demonstration, development, or knowl-

edge dissemination projects to improve the lives of individuals with disabilities. Deadline: Oct. 15.

**National Science Foundation's** Directorate for Biological, Behavioral and Social Sciences makes five-year awards to Research Training Groups for thematic, multidisciplinary, research-based training. Awards average \$250,000 per year; in addition, up to \$250,000 may be requested for special purpose research materials and equipment. Deadline for preproposals: Nov. 1.

**U.S. Department of Energy's** Subsurface Science Program sponsors long-term basic research on (1) the fundamental physical, chemical, and biological mechanisms that control the reactivity, mobilization, stability, and transport of chemical mixtures in subsoils and ground water; (2) hydrogeology; and (3) the microbiology of deep sediments and ground water. Deadline: Nov. 1.

**National Institute of Mental Health** supports research on behavioral, clinical, and central nervous system aspects of ingestive behaviors and eating disorders. Applications are invited for studies relevant to the epidemiology, etiology, treatment, and prevention of anorexia nervosa and bulimia nervosa.

Assistance in identifying other extramural sources of support is available to members of the faculty and professional staff upon request. For more information, call Sponsored Programs, x1476.

**Watch the Sept. 6 issue of *Maine Perspective* for announcements of new features to appear this fall.**

### **What's Ahead**

**Moving in Days  
in the  
Residence  
Halls  
Aug. 31-Sept. 2**

**Classes Begin  
Sept. 3**

**Family and Friends  
Weekend  
Sept. 20-22**



University of Maine  
Maine Perspective  
Department of Public Affairs  
Orono, Maine 04469